

Title (en)

METHOD AND APPARATUS FOR DESPREADING DATA IN A WIRELESS COMMUNICATION SYSTEM

Title (de)

VERFAHREN UND VORRICHTUNG ZUM VERBREITEN VON DATEN IN EINEM DRAHTLOSEN KOMMUNIKATIONSSYSTEM

Title (fr)

PROCEDE ET APPAREIL POUR DESETERALER DES DONNEES DANS UN SYSTEME DE COMMUNICATION SANS FIL

Publication

EP 1847029 A1 20071024 (EN)

Application

EP 06704572 A 20060119

Priority

- IB 2006050194 W 20060119
- CN 200510005057 A 20050131

Abstract (en)

[origin: WO2006079948A1] The present invention provides a method for despreading spread signal used in a receiver of a wireless communication system, comprising the steps of: preprocessing spread signal to derive a group of spreading chips corresponding to a data symbol; processing the spreading chips to extract in-phase components and orthogonal components of each of the spreading chips; and converting and combining the group of in-phase components and orthogonal components according to a preset selecting signal to derive a group of despreading chips. The present invention further provides an apparatus for carrying out the above-mentioned method, which significantly simplifies the design of a despreading circuit and reduces the area of the despreading circuit

IPC 8 full level

H04B 1/707 (2006.01)

CPC (source: EP US)

H04B 1/707 (2013.01 - EP US); **H04B 2201/70707** (2013.01 - EP US)

Citation (search report)

See references of WO 2006079948A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

WO 2006079948 A1 20060803; EP 1847029 A1 20071024; EP 1847029 B1 20140312; ES 2465645 T3 20140606; JP 2008529385 A 20080731; US 2008198905 A1 20080821; US 8958459 B2 20150217

DOCDB simple family (application)

IB 2006050194 W 20060119; EP 06704572 A 20060119; ES 06704572 T 20060119; JP 2007552768 A 20060119; US 81520706 A 20060119